

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Stefan KELLER-TUBERG PAUL

Attorney Docket Q64991

Appln. No.: Not Assigned

Group Art Unit: Not Assigned

Confirmation No.: Not Assigned

Examiner: Not Assigned

Filed: August 24, 2001

For: **IMPROVED MULTICASTING IN IP DISTRIBUTIVE NETWORKS**

PRELIMINARY AMENDMENT

Commissioner for Patents
Washington, D.C. 20231

Sir:

Prior to examination, please amend the above-identified application as follows:

IN THE SPECIFICATION:

Page 1, before the heading "Technical Field" insert the title:

IMPROVED MULTICASTING IN IP DISTRIBUTIVE NETWORKS

IN THE CLAIMS:

Please enter the following amended claims:

3. (Amended) A method as claimed in claim 1, in which the rules separate the flows into:

- one or more shared point-to-multipoint connections on which unidirectional multicast information flow is transmitted;
- a dedicated point-to-point connection for each end-user equipment on which other traffic is transmitted.

PRELIMINARY AMENDMENT
Attorney Docket Q64991

4. (Amended)A method is claimed in claim 1 wherein the information flow is carried on an ATM point to multipoint connection and wherein bi-directional and control flows are carried on an ATM point-to-point connection.
6. (Amended)A method as claimed in claim 1, wherein unidirectional flows between the router and the user equipments are point-to-multipoint ATM flows.
7. (Amended)A method as claimed in claim 1 wherein control flows and bi-directional flows are transmitted between the user equipments and the router as point-to-point ATM flows.
8. (Amended)A method as claimed in claim 1 wherein the router is an IP multicast router.

PRELIMINARY AMENDMENT
Attorney Docket Q64991

REMARKS

Entry and consideration of this Amendment is respectfully requested.

Respectfully submitted,



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PRELIMINARY AMENDMENT
Attorney Docket Q64991

APPENDIX

VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE SPECIFICATION:

The specification is changed as follows:

The title was inserted on the first page of the specification.

IN THE CLAIMS:

The claims are amended as follows:

3. ~~(Amended)~~A method as claimed in claim 1 or claim 2 , in which the rules separate the flows into:

- one or more shared point-to-multipoint connections on which unidirectional multicast information flow is transmitted;

- a dedicated point-to-point connection for each end-user equipment on which other traffic is transmitted.

4. ~~(Amended)~~A method is claimed in ~~any one of claims 1 to 3~~claim 1 wherein the information flow is carried on an ATM point to multipoint connection and wherein bi-directional and control flows are carried on an ATM point-to-point connection.

6. ~~(Amended)~~A method as claimed in ~~any one of claims 1 to 5~~claim 1, wherein unidirectional flows between the router and the user equipments are point-to-multipoint ATM flows.

PRELIMINARY AMENDMENT
Attorney Docket Q64991

7. ~~(Amended)~~A method as claimed in ~~any one of claims 1 to 6~~claim 1 wherein control flows and bi-directional flows are transmitted between the user equipments and the router as point-to-point ATM flows.

8. ~~(Amended)~~A method as claimed in ~~any one of claims 1 to 7~~claim 1 wherein the router is an IP multicast router.